



QUICK START GUIDE



Cisco 526 Wireless Express Mobility Controller INCLUDING LICENSE AND WARRANTY

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1 About this Guide

This guide will help you install the Cisco 526 Series Wireless Express Mobility Controller (hereafter referred to as the *WLC526* or the *controller*) in your Smart Business Communication System network.

FCC Safety Compliance Statement

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on.

Try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment to an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help. (cfr reference 15.105)

Safety Information

Safety warnings appear throughout this guide in procedures that may harm you if performed incorrectly. A warning symbol precedes each warning statement. The warnings below are general warnings that are applicable to the entire guide. Translated versions of the safety warnings in this guide are provided in the “Translated Warnings” section on page 25.



Warning

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. Statement 1071

SAVE THESE INSTRUCTIONS



Warning

There is the danger of explosion if the battery is replaced incorrectly. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Statement 1015



Warning

This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available. Statement 1024



Warning

Ultimate disposal of this product should be handled according to all national laws and regulations. Statement 1040

Safety Considerations

- Verify that the ambient temperature remains between 32 to 104° F (0 to 40° C), taking into account the elevated temperatures when installed in a rack or enclosed space.
- When multiple WLC526 controllers are mounted in an equipment rack, be sure that the power source is sufficiently rated to safely run all the equipment in the rack (input: 100–240VAC, 50/60 Hz, output: 48VDC, 2.08A per controller).
- Verify the integrity of the electrical ground before installing the controller.

2 Overview

The Cisco 526 Wireless Express Mobility Controller is a network appliance designed to optimize the wireless network of small and medium-sized businesses. The mobility controller can be used with up to six controller-based access points per controller and up to two controllers per network. The WLC526 is a component of the Cisco Smart Business Communications System.

A core element of the Cisco Mobility Express Solution, the WLC526 works in concert with Cisco 521 Wireless Express Access Points (hereafter referred to as the AP521) and the Cisco Configuration Assistant (CCA) to provide you with the visibility and centralized control you need to optimize network performance. The CCA is GUI-based software that allows you to configure and manage all the components of the Cisco Smart Business Communications System.

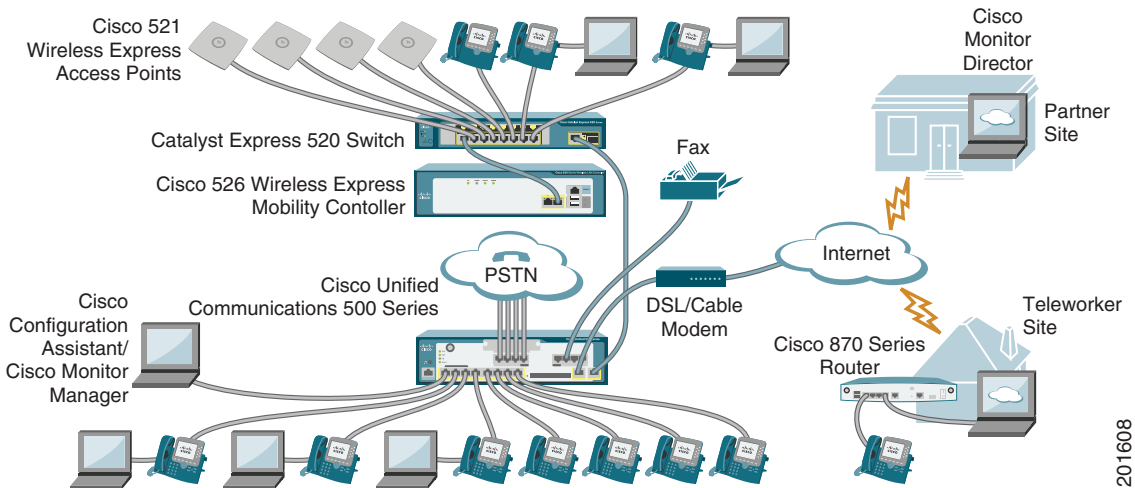
The WLC526 provides:

- A cost-effective solution for small and medium-sized business environments

- Standards-based enterprise-class security
- Simplified network deployment and management with automated radio resource features
- Centralized management with the CCA
- Advanced mobility services readiness to support secure Internet guest access and optimized voice over Wi-Fi

The Cisco Smart Business Communications System is shown in Figure 1.

Figure 1 *Cisco Smart Business Communications System*



After performing an initial setup, you configure the WLC526 and its controller-based AP521s using the CCA.

Related Documentation

This guide assumes that you are installing your WLC526 in the Cisco Smart Business Communications System. The following documents provide information about system components and include configuration procedures:

- *Cisco Smart Business Communications System Setup*—This document, referred to as the “Smart Doc” in some documents, contains instructions for installing, configuring, and monitoring the Cisco Smart Business Communications System. You should use this document to configure all the components of the smart business system.

- *Cisco Unified Communications 500 Series for Small Business Getting Started Guide*—Provides basic installation and setup instructions for the Cisco Unified 500 Series Platform (hereafter referred to as the *UC500*).
- *Getting Started Guide for the Catalyst Express 520 Switches*—Provides basic installation and setup instructions for the Cisco Catalyst Express 520 switch (hereafter referred to as the *CE520*).
- *User Guide for the Catalyst Express 520 Switches*—Provides advanced configuration information for the CE520 switch.
- *Cisco Configuration Assistant Quick Start Guide*—Contains basic installation and configuration instructions for the Cisco Configuration Assistant (CCA).
- *Quick Start Guide: Cisco 521 Wireless Express Access Point*—Contains mounting instructions for the AP521.

These documents are available on [cisco.com](http://www.cisco.com). Follow these steps to obtain these documents on [cisco.com](http://www.cisco.com):

-
- Step 1** Browse to <http://www.cisco.com>
 - Step 2** Click **Support**. A drop-down window appears.
 - Step 3** In the drop-down window, Click **Documentation**. The Support Documentation page appears.
 - Step 4** In the Product and Support section, click **Wireless**. The Support Wireless page appears.
 - Step 5** Scroll down to the Cisco Mobility Express section.
 - Step 6** Select the link for the wireless express component you need. The Introduction page for that component appears.
 - Step 7** Download the appropriate document.
-

3 Unpacking and Preparing the Controller for Operation

Follow these steps to unpack the controller and prepare it for operation:

-
- Step 1** Open the shipping container and carefully remove the contents.
 - Step 2** Return all packing materials to the shipping container and save it.
 - Step 3** Ensure that all items listed in the “Package Contents” section are included in the shipment. If any item is damaged or missing, notify your authorized Cisco sales representative.
-

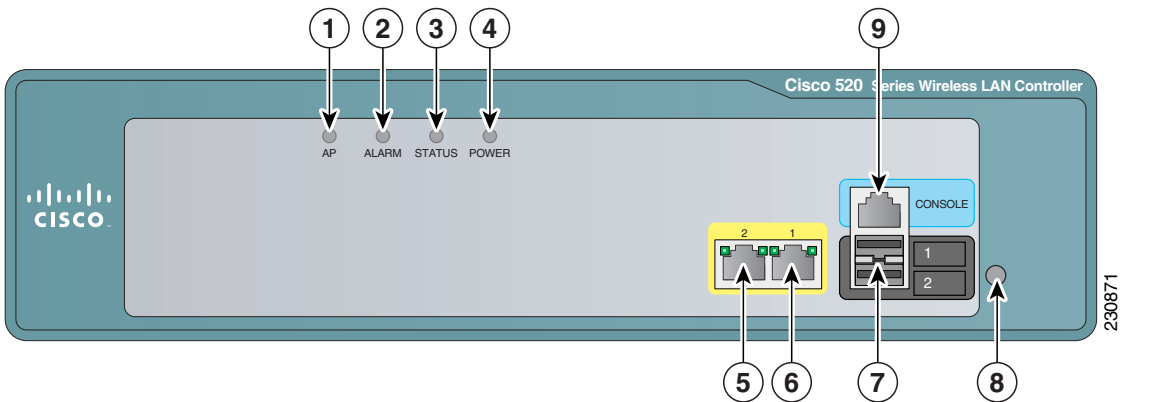
Package Contents

Each WLC526 controller package contains the following items:

- One Cisco 526 wireless LAN controller
- One power cord
- One Ethernet cable (RJ45 to RJ45)
- One Console cable (RJ45 to DB9)
- This guide
- Cisco product registration card

Figure 2 shows the front panel of the WLC526 and identifies its components.

Figure 2 **WLC526 Front Panel**



1	AP LED	6	Distribution port 1
2	Alarm LED	7	USB ports (not used)
3	Status LED	8	Reset button
4	Power LED	9	Console port
5	Distribution port 2		

Choosing a Physical Location

You can install the controller on a horizontal or vertical surface. The controller's bottom plate has two keyhole slots that permit you to mount it on a vertical surface, such as a wall. For maximum reliability, mount the controller while following these guidelines:

- Make sure you can reach the controller and all cables attached to it.
- Make sure that water or excessive moisture cannot get into the controller.
- Make sure that airflow through the controller is not obstructed. Leave at least 4 in. (10 cm) clear on both sides of the controller.
- Verify that the ambient temperature remains between 32 to 104° F (0 to 40° C).
- Make sure that the controller is installed in the same building and is within 328 ft. (100 m) of equipment connected to the 10/100BASE-T ports.
- Make sure that the power cord can reach a 100 to 240 VAC grounded electrical outlet.

Moving a Controller

If you are staging your system in a lab environment or moving a controller to new location with a different network domain, you must remember to change the IP addresses for the AP Management, Management, and all Dynamic interfaces to the customer's final IP addresses before moving the controller to the customer site or to a new location. The IP addresses can only be changed using the controller GUI interface. The console port interface can not be used to change IP addresses.

Using the Startup Wizard

When you power up the WLC526 you must prepare it for operation on your network by using the controller's GUI-based startup wizard. You will need to gather some information about your network before you start the wizard. Table 1 lists the information you need to enter into the startup wizard.

Table 1 Startup Wizard Information

Wizard Setting	Action
System Name	The name you want to assign to the controller. You can enter up to 32 ASCII characters.
Administrative user name and password	The administrative username and password to be assigned to this controller. You can enter up to 24 ASCII characters for each. The default administrative username and password are both <i>admin</i> and <i>admin</i> .
Management Interface VLAN Identifier	The VLAN identifier of the management interface (a valid VLAN identifier or 0 for an untagged VLAN). The VLAN identifier should be set to match the switch interface configuration.
Management Interface IP Address	The management interface is the default interface for in-band management of the controller and connectivity to services such as AAA servers. You can access the controller's GUI interface using this address.
Management Interface Netmask	Enter the IP address of the management interface netmask.
Management Interface Default Router	Enter the IP address of the default router.
Management Interface Port Number	Enter the port number of the access point manager interface. The default is 1.
Primary DHCP Server IP Address	The management interface DHCP server IP address. The default is 192.168.1.1.
Secondary DHCP server IP Address	The IP address of the a secondary DHCP server. The default is 0.0.0.0.
LWAPP Transport Mode	The default is Layer 3.
RF Mobility Domain Name	The name of the mobility group/RF group to which you want the controller to belong. The default is <i>default</i> .

Table 1 Startup Wizard Information (continued)

Wizard Setting	Action
Configured Country Code	The country for which the controller is configured. This setting is not changeable in the startup wizard.
Regulatory Domain	The domain in which the controller is to be operated. Selection is made using the appropriate domain checkbox.
AP Manager Interface Name	The name assigned to the access point manager interface. This setting is not changeable in the startup wizard.
AP Manager VLAN identifier	The VLAN identifier of the access point management interface (a valid VLAN identifier or 0 for an untagged VLAN).
AP Manager IP address	The IP address of the access point manager Interface.
AP Manager netmask	The Netmask of the access point manager Interface.
AP Manager Gateway IP address	The IP address of the access point manager interface.
AP Manager port number	The port number of the access point manager interface. The default is 1.
AP Manager Primary DHCP Server IP address	The IP address of the access point manager primary DHCP server interface.
AP Manager Secondary DHCP Server	The IP address of the access point manager secondary DHCP server interface.
Virtual Interface Name	The name of the controller's virtual interface. This setting is not changeable in the startup wizard. The default is <i>virtual</i> .
Virtual Interface IP address	The IP address for the virtual interface.
Virtual Interface DNS Host Name	The name of the controller's virtual interface DNS host.
WLAN ID	The identification number of the wireless LAN on which this controller resides. This setting cannot be changed in the startup wizard. The default is 1.
Profile Name	The profile name of the wireless LAN.

Table 1 Startup Wizard Information (continued)

Wizard Setting	Action
WLAN SSID	The network name, or <i>service set identifier (SSID)</i> . This is the default SSID that the access points use when they join a controller.
RADIUS Server IP Address	The IP address of the RADIUS server if one is available and you intend to use it. If you are using a RADIUS server, the following fields must be completed: • Shared secret format (ASCII or HEX) • Shared secret • Confirm shared secret • RADIUS server port (default port is 1812) • Server status (enabled or disabled)
802.11b Network Status	Check the checkbox to enable or disable the 802.11b radio network. The default is <i>Enabled</i> .
802.11g Network Status	Check the checkbox to enable or disable the 802.11g radio network. The default is <i>enabled</i> .
Auto-RF	Check the checkbox to enable or disable automatic radio resource management. The default is <i>enabled</i> .

To use the controller's startup wizard, you will need an Ethernet-capable PC running Windows XP and an Ethernet cable. The controller's default IP address is 192.168.1.1. Make sure your PC is configured to receive an IP address automatically. When the controller boots for the first time, it becomes a DHCP server and automatically assigns an IP address to your PC.



Note The default IP address and DHCP server are only available when the controller is configured with factory default values.

Follow these steps to start the wizard:

- Step 1** Connect the Ethernet cable to the Ethernet port on your PC.
- Step 2** Connect the other end of the Ethernet cable to data port 1 on the WLC526.
- Step 3** Plug the supplied, country-specific power cord into the AC power receptical on the back of the controller.
- Step 4** Plug the other end of the AC power cord into a grounded 100–240 VAC, 50/60 Hz electrical outlet.
- Step 5** Power up the WLC526. The controller begins its boot process, which takes approximately 3 minutes.
- Step 6** Open your web browser and browse to IP address 192.168.1.1. A network password screen appears.
- Step 7** Enter **admin** for both the username and password (default value). The System Information screen appears (See Figure 3).

Figure 3 WLC526 System Information Screen

The screenshot shows the 'System Information' screen of the WLC526. The header is blue with the Cisco logo. Below the header, there's a 'Configuration Wizard' section on the left and a 'System Information' section on the right. The 'System Information' section contains fields for 'System Name', 'Administrative User', 'User Name (e.g. admin)', 'Password', and 'Confirm Password'. The 'User Name' field is pre-filled with 'admin'. The 'Password' and 'Confirm Password' fields are masked with dots. A 'Next' button is located at the top right of the 'System Information' section. The bottom right corner of the screen shows the number '230151'.

- Step 8** For security reasons, you should change the username and password to non-default values. Enter a system name, a new username, and a new password in the respective fields.

- Step 9** Confirm your password in the Confirm Password field.
- Step 10** Click **Next**. The Management Interface Configuration screen appears (See Figure 4).

Figure 4 Management Interface Configuration Screen

The screenshot shows the 'Management Interface Configuration' screen within the 'Configuration Wizard'. The interface includes a header with the Cisco logo and a 'Logout' link. The main content area is divided into sections for configuration details. On the right side, there are '< Back' and 'Next >' buttons.

General Information	
Interface Name	management
MAC Address	00:1a:6c:91:23:40

Interface Address	
VLAN Identifier	0
IP Address	192.168.1.1
Netmask	255.255.255.0
Gateway	0.0.0.0

Physical Information	
Port Number	1

DHCP Information	
Primary DHCP Server	192.168.1.1
Secondary DHCP Server	0.0.0.0

- Step 11** Enter the management interface IP address, network mask, and gateway IP address information.
- Step 12** Enter the port number (1 or 2) for your management interface.
- Step 13** Optional: enter DHCP server IP address information (default 192.168.1.1 for primary DHCP server).
- Step 14** Click **Next** and the Miscellaneous Configuration screen appears (see Figure 5).

Figure 5 **Miscellaneous Configuration Screen**

CISCO

LOGO

Configuration Wizard

Miscellaneous Configuration

< Back

Next >

LWAPP Transport Mode

Layer 3

RF Mobility Domain Name

default

Configured Country Code(s)

US

Regulatory Domain

802.11bg - AB

Select	Country Code	Name
☐	AE	United Arab Emirates
☐	AR	Argentina
☐	AT	Austria
☐	AU	Australia
☐	BR	Brazil
☐	BE	Belgium
☐	BG	Bulgaria
☐	CA	Canada
☐	CA2	Canada (DCA excludes UNII-2)
☐	CH	Switzerland
☐	CL	Chile
☐	CN	China
☐	CO	Colombia
☐	CY	Cyprus
☐	CZ	Czech Republic
☐	DE	Germany
☐	DK	Denmark
☐	EE	Estonia
☐	ES	Spain
☐	FI	Finland
☐	FR	France
☐	GB	United Kingdom
☐	GI	Gibraltar
☐	GR	Greece
☐	HK	Hong Kong
☐	HU	Hungary
☐	ID	Indonesia
☐	IE	Ireland
☐	IN	India
☐	IL	Israel
☐	ILO	Israel (outdoor)
☐	IS	Iceland
☐	IT	Italy
☐	JP	Japan (J)
☐	J2	Japan (JP)
☐	J3	Japan (SU)
☐	KR	Korea Republic (C)
☐	KE	Korea Extended (K)
☐	LI	Liechtenstein
☐	LT	Lithuania
☐	LU	Luxembourg
☐	LV	Latvia
☐	MC	Monaco
☐	MT	Malta
☐	MX	Mexico
☐	MY	Malaysia
☐	NL	Netherlands
☐	NZ	New Zealand
☐	NO	Norway
☐	PA	Panama
☐	PE	Peru
☐	PH	Philippines
☐	PH2	Philippines(DCA excludes UNII-2)
☐	PL	Poland
☐	PT	Portugal
☐	RU	Russian Federation
☐	RO	Romania
☐	SA	Saudi Arabia
☐	SE	Sweden
☐	SG	Singapore
☐	SI	Slovenia
☐	SK	Slovak Republic
☐	TH	Thailand
☐	TR	Turkey
☐	TW	Taiwan
☐	UA	Ukraine
☒	US	United States
☐	US2	United States(DCA excludes UNII-2)
☐	USL	United States (Legacy)
☐	USX	United States (US + dhan165)
☐	VE	Venezuela
☐	ZA	South Africa

230/153

- Step 15** Optional, choose the LWAPP Transport Mode (Layer 3 default).
- Step 16** Enter the RF mobility domain name.
- Step 17** Check your country code.
- Step 18** Click **Next** and the AP Manager Interface Configuration screen appears (see Figure 6).

Figure 6 AP Manager Interface Configuration Screen


Logou

Configuration Wizard

AP Manager Interface Configuration

< Back

Next >

General Information

Interface Name

ap-manager

Interface Address

VLAN Identifier

0

IP Address

192.168.1.5

Netmask

255.255.255.0

Gateway

192.168.1.50

Physical Information

Port Number

1

DHCP Information

Primary DHCP Server

1.1.1.1

Secondary DHCP Server

0.0.0.0

- Step 19** Enter the AP manager interface IP address information.
- Step 20** Enter the gateway IP address.
- Step 21** Enter the port number (1 or 2) for the AP Manager Interface.
- Step 22** Enter the primary and secondary DHCP server IP addresses.
- Step 23** Click **Next** and the Virtual Configuration screen appears (see Figure 6).

Figure 7 **Virtual Interface Configuration Screen**

The screenshot shows the 'Virtual Interface Configuration' screen within the 'Configuration Wizard'. The interface has a blue header with the Cisco logo and a 'Logout' link. Below the header, the title 'Virtual Interface Configuration' is displayed, followed by '< Back' and 'Next >' buttons. The main content area is divided into two sections: 'General Information' and 'Interface Address'. Under 'General Information', the 'Interface Name' is set to 'virtual'. Under 'Interface Address', the 'IP Address' is set to '1.1.1.1' and the 'DNS Host Name' is set to 'Cisco'. A vertical text '230155' is visible on the right side of the screen.

- Step 24** Enter the virtual interface IP address. Default is 1.1.1.1 (a non-valid IP address).
- Step 25** Enter the DNS host name.
- Step 26** Click Next and the WLAN Configuration screen appears (see Figure 8).

Figure 8 **WLAN Configuration Screen**

The screenshot shows the 'WLAN Configuration' screen within the 'Configuration Wizard'. The interface has a blue header with the Cisco logo and a 'Logout' link. Below the header, the title 'WLAN Configuration' is displayed, followed by '< Back' and 'Next >' buttons. The main content area is divided into two sections: 'WLAN ID' and 'Profile Name'. Under 'WLAN ID', the value is set to '1'. Under 'Profile Name', the value is set to 'Cisco'. A vertical text '231476' is visible on the right side of the screen.

- Step 27** Enter the profile name for your wireless network.
- Step 28** Enter the service service identifier (SSID) for your wireless network.
- Step 29** Click Next and a pop-up message appears indicating the default security settings that are applied to the wireless LAN. You can change the default security options after the setup wizard is complete.
- Step 30** Click OK and the Radius Server Configuration screen appears (see Figure 9).

Figure 9 RADIUS Server Configuration Screen

The screenshot shows the 'RADIUS Server Configuration' screen within the Cisco Configuration Wizard. The interface has a blue header with the Cisco logo and a 'Logout' link. On the left, a sidebar labeled 'Configuration Wizard' shows the current step. The main area contains several configuration fields: 'Server IP Address' (text input), 'Shared Secret Format' (dropdown menu set to 'ASCII'), 'Shared Secret' (text input), 'Confirm Shared Secret' (text input), 'Port Number' (text input set to '1812'), and 'Server Status' (dropdown menu set to 'Disabled'). At the top right, there are three buttons: '< Back', 'Apply', and 'Skip'. A vertical text '231478' is visible on the right edge of the screen.

- Step 31** Optional, enter the RADIUS server configuration information.
- Step 32** If you have configured RADIUS information, click **Apply**, otherwise click **Skip** and the 802.11 Configuration screen appears (see Figure 10).

Figure 10 802.11 Configuration Screen

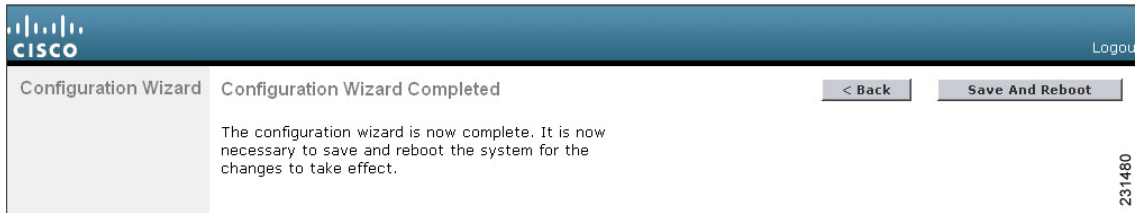
The screenshot shows the '802.11 Configuration' screen within the Cisco Configuration Wizard. The interface has a blue header with the Cisco logo and a 'Logout' link. On the left, a sidebar labeled 'Configuration Wizard' shows the current step. The main area contains three configuration options, each with a checkbox: '802.11b Network Status' (checked), '802.11g Network Status' (checked), and 'Auto RF' (checked). At the top right, there are two buttons: '< Back' and 'Next'. A vertical text '231479' is visible on the right edge of the screen.

- Step 33** To enable wireless network status, check the appropriate network types that you want to support.
- Step 34** Optional: check **Auto RF** to turn on radio resource management.
- 

Note Radio resource management requires three or more access points in order to operate.

- Step 35** Click **Next** and the Configuration Wizard Completed screen appears (see Figure 11).

Figure 11 Configuration Wizard Completed Screen



Step 36 Click the **Save And Reboot** button to save your configuration.



Note

Click the **Back** button to return to previous screens if you need to change any part of your configuration.

Your WLC526 is ready to connect to an SBCS compatible switch.

4 Connecting to an SBCS Compatible Switch

Follow the instructions given in the Cisco Smart Business Communications System Setup document to connect your controller to an SBCS compatible switch, such as the switch. Refer to the “Related Documentation” section on page 4 for instructions on how to obtain this document.



Note

A maximum of two controllers can be configured to the switch.

5 Connecting Access Points

Follow the instructions given in the Cisco Smart Business Communications System Setup document to attach up to six access points to the controller. Refer to the “Related Documentation” section on page 4 for instructions on how to obtain this document.

6 Mounting the WLC526 Controller

The WLC526 controller can be mounted as follows:

- On a horizontal or vertical surface such as a desktop or shelf.
- Face up or down on a vertical surface such as a wall.

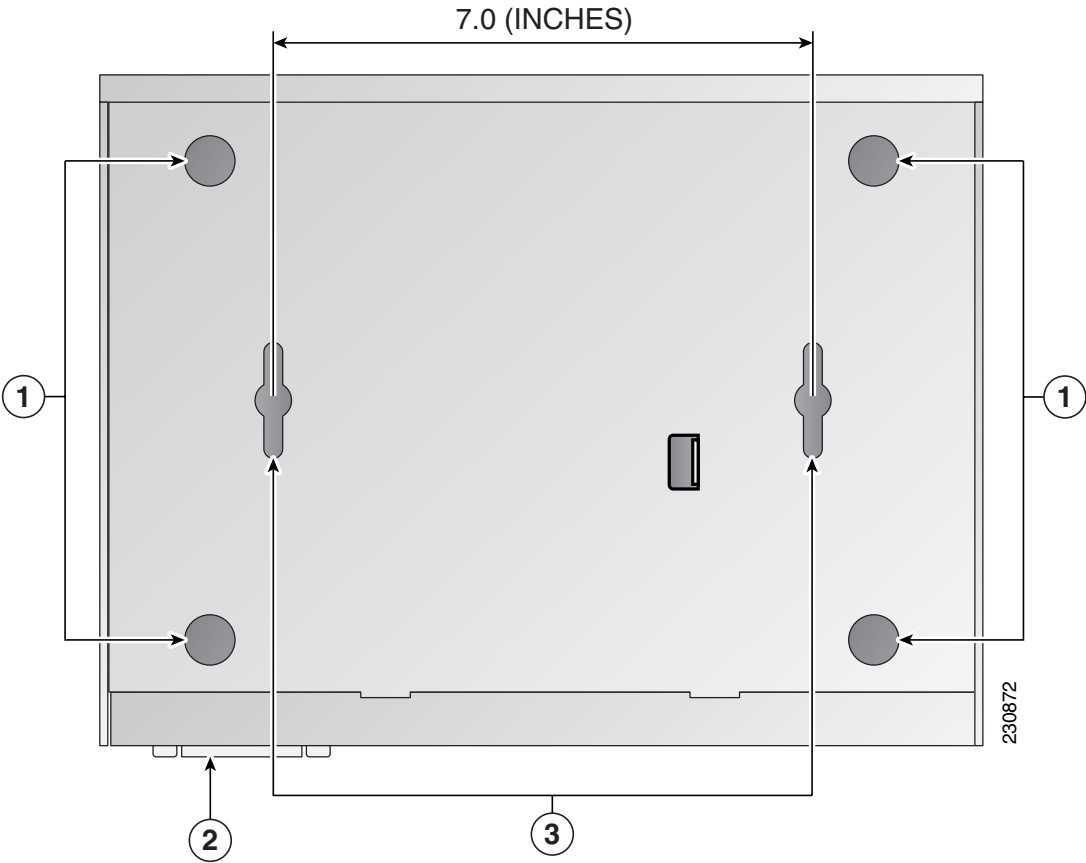
Mounting on a Desktop or Shelf

The WLC526 has four rubber pads on the bottom to help prevent it from sliding on or scratching the surface of your desktop or shelf.

Mounting on a Vertical Surface

The bottom plate of the controller has two keyhole slots to facilitate mounting on a vertical surface (see Figure 12).

Figure 12 WLC526 Bottom Plate



1	Rubber pads	3	Keyhole slots
2	AC power receptacle		

 **Note** You must provide the hardware necessary to mount the controller securely and safely.

**Caution**

When vertically mounting your controller, you must mount the controller with its front panel facing down (towards the floor) unless you are using a security lock cable. If you are using a security lock cable, you can mount the front panel facing up (towards the ceiling) or facing down. You must not mount the controller with the side facing down. These restrictions are due to UL safety regulations.

The following steps describe how to mount the controller on a drywall vertical surface. Your procedure may vary depending on the material of your vertical surface. You will need the following tools and fasteners:

- Two #8 drywall anchors
- Two #8 x 1-in. pan head screws
- An appropriate screw driver
- A drill and 3/16-in. (4.7 mm) bit
- A ruler and marking pencil

-
- Step 1** Determine the position on the surface where you will mount your WLC526.
- Step 2** Mark the position of the center of the keyhole slots on the surface. Verify that the marks are 7-in. (17.8 cm) apart.
- Step 3** Drill a 3/16-in. (4.7 mm) hole at the places you marked on the surface.
- Step 4** Insert the drywall anchors into the holes.
- Step 5** Insert and start two #8 x 1-in. pan head screws into the anchors.
- Step 6** Use a screwdriver to drive the screws into the anchors until the heads are protruding approximately 1/4-in. (6.4 mm) from the anchors.
- Step 7** Align the keyhole slots on the controller bottom plate over the screws. Make sure the front panel is facing down if you are not using the security lock feature.
- Step 8** Gently push the controller in and down until it is secured by the narrow end of the keyhole slot. You may have to adjust the pan head screws in order to obtain a secure fit.
-

7 In Case of Difficulty

Checking the Controller LEDs

If your controller is not working properly, check the LEDs on the front panel of the unit. You can use the LED indications to quickly assess the unit’s status.

Table 2 Controller LED Signals

Message Type	AP LED	Alarm LED	Status LED	Meaning
Start BIOS	Off	Off	Amber	BIOS starting—2 to 3 seconds.
Boot ROMMON	Off	Off	Slowly blinking green	Boot ROMMON starting—3 to 4 seconds.
Boot kernel	Off	Off	Green	Kernel booting—approximately 25 seconds.
Boot Switchdriver	Off	Off	Blinking green	Boot switchdriver starting—approximately 20 seconds.
Controller operational	Off	Off	Green	Controller operational and configuration not set to default values.
	Green	Green	Green	Controller operational and configuration reset to factory defaults. Connect PC to Ethernet port 1 to start configuring the controller.
Reset button pressed	Off	Green	Amber	Reset button pressed for 10 seconds or more. Controller clears the configuration and reboots.
	Off	Off	Amber	Reset button pressed for 3 seconds but less than 10 seconds. Controller reboots.
Access points associated	Green	Off	Green	One or more access points are associated to the controller.
	Off	Off	Green	No access points are associated to the controller.
Access point image download	Blinking amber	Off	Green	Access point image is being downloaded.
	Blinking green and off	Off	Green	Access point image download is complete.

Message Type	AP LED	Alarm LED	Status LED	Meaning
Controller image upgrade	Off	Off	Blinking amber	Controller image is being upgraded.
	Off	Off	Green	Controller image upgrade is complete.
Controller crash	Off	Amber	Green	The controller software has crashed.
Controller boot error	Off	Off	Amber	The controller has experienced a boot error.

Using the Reset Button

The Reset button on the controller's front panel becomes active after the controller boots. You can use the Reset button to reset power or to reset the configuration to factory defaults.

Resetting Controller Power

Follow these steps to reset power to the controller using the Reset button:

-
- Step 1** Place a straightened paper clip into the **Reset** button hole.
 - Step 2** While observing the controller LEDs, gently push and hold the **Reset** button with the paper clip.
 - Step 3** When the Status LED turn amber, release the **Reset** button by removing the paper clip.
The controller configuration settings are not reset. If you have configured the controller, it reboots and loads the active configuration. If you have not configured the controller, the startup wizard GUI appears.
-

Resetting the Controller to Factory Defaults

Follow these steps to reset the controller to factory defaults using the Reset button:

-
- Step 1** Place a straightened paper clip into the **Reset** button hole.
 - Step 2** While observing the controller LEDs, gently push and hold the **Reset** button with the paper clip.

- Step 3** When the Alarm LED turns green, release the **Reset** button by removing the paper clip.
- Step 4** The controller power cycles and reboots. The controller configuration settings are reset to factory defaults and the startup wizard GUI appears.
-

Invalid or Unknown Controller IP Address

If your controller contains an invalid or unknown IP address, you will be unable to access the controller GUI and your management software also will be unable to communicate with the controller. This problem can occur when someone moves a controller to a different network domain without changing the controller IP addresses or accidentally configures an invalid IP address.

You can correct this problem by resetting the controller to factory defaults using the reset button and then reconfiguring the controller using the startup wizard GUI.

8 Cisco One Year Limited Hardware Warranty Terms

There are special terms applicable to your hardware warranty and various services that you can use during the warranty period. Your formal Warranty Statement, including the warranties and license agreements applicable to Cisco software, is available on Cisco.com. Follow these steps to access and download the *Cisco Information Packet* and your warranty and license agreements from Cisco.com.

1. Launch your browser, and go to this URL:
http://www.cisco.com/univercd/cc/td/doc/es_inpkc/cetrans.htm
The Warranties and License Agreements page appears.
2. To read the *Cisco Information Packet*, follow these steps:
 - a. Click the **Information Packet Number** field, and make sure that the part number 78-5235-03B0 is highlighted.
 - b. Select the language in which you would like to read the document.
 - c. Click **Go**.

The Cisco Limited Warranty and Software License page from the Information Packet appears.

- d. Read the document online, or click the **PDF** icon to download and print the document in Adobe Portable Document Format (PDF).



Note

You must have Adobe Acrobat Reader to view and print PDF files. You can download the reader from Adobe's website: <http://www.adobe.com>

3. To read translated and localized warranty information about your product, follow these steps:
- a. Enter this part number in the Warranty Document Number field:
78-10747-01C0
 - b. Select the language in which you would like to read the document.
 - c. Click **Go**.
The Cisco warranty page appears.
 - d. Review the document online, or click the **PDF** icon to download and print the document in Adobe Portable Document Format (PDF).

You can also contact the Cisco service and support website for assistance:

http://www.cisco.com/public/Support_root.shtml.

Duration of Hardware Warranty

One year.

Replacement, Repair, or Refund Policy for Hardware

Cisco or its service center will use commercially reasonable efforts to ship a replacement part within ten (10) working days after receipt of a Return Materials Authorization (RMA) request. Actual delivery times can vary, depending on the customer location.

Cisco reserves the right to refund the purchase price as its exclusive warranty remedy.

To Receive a Return Materials Authorization (RMA) Number

Contact the company from whom you purchased the product. If you purchased the product directly from Cisco, contact your Cisco Sales and Service Representative.

Complete the information below, and keep it for reference:

Company product purchased from	
Company telephone number	
Product model number	
Product serial number	
Maintenance contract number	

9 Translated Warnings

Statement 1071—Warning Definition



Warning

IMPORTANT SAFETY INSTRUCTIONS

This warning symbol means danger. You are in a situation that could cause bodily injury. Before you work on any equipment, be aware of the hazards involved with electrical circuitry and be familiar with standard practices for preventing accidents. Use the statement number provided at the end of each warning to locate its translation in the translated safety warnings that accompanied this device. Statement 1071

SAVE THESE INSTRUCTIONS

Waarschuwing

BELANGRIJKE VEILIGHEIDSINSTRUCTIES

Dit waarschuwingssymbool betekent gevaar. U verkeert in een situatie die lichamelijk letsel kan veroorzaken. Voordat u aan enige apparatuur gaat werken, dient u zich bewust te zijn van de bij elektrische schakelingen betrokken risico's en dient u op de hoogte te zijn van de standaard praktijken om ongelukken te voorkomen. Gebruik het nummer van de verklaring onderaan de waarschuwing als u een vertaling van de waarschuwing die bij het apparaat wordt geleverd, wilt raadplegen.

BEWAAR DEZE INSTRUCTIES

Varoitus

TÄRKEITÄ TURVALLISUUSOHJEITA

Tämä varoitusmerkki merkitsee vaaraa. Tilanne voi aiheuttaa ruumiillisia vammoja. Ennen kuin käsittelet laitteistoa, huomioi sähköpiirien käsittelemiseen liittyvät riskit ja tutustu onnettomuuksien yleisiin ehkäisytapoihin. Turvallisuusvaroitusten käännökset löytyvät laitteen mukana toimitettujen käännettyjen turvallisuusvaroitusten joukosta varoitusten lopussa näkyvien lausuntonumeroiden avulla.

SÄILYTÄ NÄMÄ OHJEET

Attention IMPORTANTES INFORMATIONS DE SÉCURITÉ

Ce symbole d'avertissement indique un danger. Vous vous trouvez dans une situation pouvant entraîner des blessures ou des dommages corporels. Avant de travailler sur un équipement, soyez conscient des dangers liés aux circuits électriques et familiarisez-vous avec les procédures couramment utilisées pour éviter les accidents. Pour prendre connaissance des traductions des avertissements figurant dans les consignes de sécurité traduites qui accompagnent cet appareil, référez-vous au numéro de l'instruction situé à la fin de chaque avertissement.

CONSERVEZ CES INFORMATIONS

Warnung WICHTIGE SICHERHEITSHINWEISE

Dieses Warnsymbol bedeutet Gefahr. Sie befinden sich in einer Situation, die zu Verletzungen führen kann. Machen Sie sich vor der Arbeit mit Geräten mit den Gefahren elektrischer Schaltungen und den üblichen Verfahren zur Vorbeugung vor Unfällen vertraut. Suchen Sie mit der am Ende jeder Warnung angegebenen Anweisungsnummer nach der jeweiligen Übersetzung in den übersetzten Sicherheitshinweisen, die zusammen mit diesem Gerät ausgeliefert wurden.

BEWAHREN SIE DIESE HINWEISE GUT AUF.

Avvertenza IMPORTANTI ISTRUZIONI SULLA SICUREZZA

Questo simbolo di avvertenza indica un pericolo. La situazione potrebbe causare infortuni alle persone. Prima di intervenire su qualsiasi apparecchiatura, occorre essere al corrente dei pericoli relativi ai circuiti elettrici e conoscere le procedure standard per la prevenzione di incidenti. Utilizzare il numero di istruzione presente alla fine di ciascuna avvertenza per individuare le traduzioni delle avvertenze riportate in questo documento.

CONSERVARE QUESTE ISTRUZIONI

Advarsel VIKTIGE SIKKERHETSINSTRUKSJONER

Dette advarselssymbolet betyr fare. Du er i en situasjon som kan føre til skade på person. Før du begynner å arbeide med noe av utstyret, må du være oppmerksom på farene forbundet med elektriske kretser, og kjenne til standardprosedyrer for å forhindre ulykker. Bruk nummeret i slutten av hver advarsel for å finne oversettelsen i de oversatte sikkerhetsadvarslene som fulgte med denne enheten.

TA VARE PÅ DISSE INSTRUKSJONENE

Aviso INSTRUÇÕES IMPORTANTES DE SEGURANÇA

Este símbolo de aviso significa perigo. Você está em uma situação que poderá ser causadora de lesões corporais. Antes de iniciar a utilização de qualquer equipamento, tenha conhecimento dos perigos envolvidos no manuseio de circuitos elétricos e familiarize-se com as práticas habituais de prevenção de acidentes. Utilize o número da instrução fornecido ao final de cada aviso para localizar sua tradução nos avisos de segurança traduzidos que acompanham este dispositivo.

GUARDE ESTAS INSTRUÇÕES

¡Advertencia! INSTRUCCIONES IMPORTANTES DE SEGURIDAD

Este símbolo de aviso indica peligro. Existe riesgo para su integridad física. Antes de manipular cualquier equipo, considere los riesgos de la corriente eléctrica y familiarícese con los procedimientos estándar de prevención de accidentes. Al final de cada advertencia encontrará el número que le ayudará a encontrar el texto traducido en el apartado de traducciones que acompaña a este dispositivo.

GUARDE ESTAS INSTRUCCIONES

Varning! VIKTIGA SÄKERHETSANVISNINGAR

Denna varningssignal signalerar fara. Du befinner dig i en situation som kan leda till personskada. Innan du utför arbete på någon utrustning måste du vara medveten om farorna med elkretsar och känna till vanliga förfaranden för att förebygga olyckor. Använd det nummer som finns i slutet av varje varning för att hitta dess översättning i de översatta säkerhetsvarningar som medföljer denna anordning.

SPARA DESSA ANVISNINGAR

Figyelem FONTOS BIZTONSÁGI ELOÍRÁSOK

Ez a figyelmeztető jel veszélyre utal. Sérülésveszélyt rejtő helyzetben van. Mielőtt bármely berendezésen munkát végezte, legyen figyelemmel az elektromos áramkörök okozta kockázatokra, és ismerkedjen meg a szokásos balesetvédelmi eljárásokkal. A kiadványban szereplő figyelmeztetések fordítása a készülékhez mellékelt biztonsági figyelmeztetések között található; a fordítás az egyes figyelmeztetések végén látható szám alapján kereshető meg.

ORIZZE MEG EZEKET AZ UTASÍTÁSOKAT!

Предупреждение ВАЖНЫЕ ИНСТРУКЦИИ ПО СОБЛЮДЕНИЮ ТЕХНИКИ БЕЗОПАСНОСТИ

Этот символ предупреждения обозначает опасность. То есть имеет место ситуация, в которой следует опасаться телесных повреждений. Перед эксплуатацией оборудования выясните, каким опасностям может подвергаться пользователь при использовании электрических цепей, и ознакомьтесь с правилами техники безопасности для предотвращения возможных несчастных случаев. Воспользуйтесь номером заявления, приведенным в конце каждого предупреждения, чтобы найти его переведенный вариант в переводе предупреждений по безопасности, прилагаемом к данному устройству.

СОХРАНИТЕ ЭТИ ИНСТРУКЦИИ

警告 重要的安全性说明

此警告符号代表危险。您正处于可能受到严重伤害的工作环境中。在您使用设备开始工作之前，必须充分意识到触电的危险，并熟练掌握防止事故发生的标准工作程序。请根据每项警告结尾提供的声明号码来找到此设备的安全性警告说明的翻译文本。

请保存这些安全性说明

警告 安全上の重要な注意事項

「危険」の意味です。人身事故を予防するための注意事項が記述されています。装置の取り扱い作業を行うときは、電気回路の危険性に注意し、一般的な事故防止策に留意してください。警告の各国語版は、各注意事項の番号を基に、装置に付属の「Translated Safety Warnings」を参照してください。

これらの注意事項を保管しておいてください。

주의 중요 안전 지침

이 경고 기호는 위험을 나타냅니다. 작업자가 신체 부상을 일으킬 수 있는 위험한 환경에 있습니다. 장비에 작업을 수행하기 전에 전기 회로와 관련된 위험을 숙지하고 표준 작업 관례를 숙지하여 사고를 방지하십시오. 각 경고의 마지막 부분에 있는 경고문 번호를 참조하여 이 장치와 함께 제공되는 번역된 안전 경고문에서 해당 번역문을 찾으십시오.

이 지시 사항을 보관하십시오.

تحذير

إرشادات الأمان الهامة

يوضح رمز التحذير هذا وجود خطر. وهذا يعني أنك متواجد في مكان قد ينتج عنه التعرض لإصابات. قبل بدء العمل، احذر مخاطر التعرض للصدمات الكهربائية وكن على علم بالإجراءات القياسية للحيلولة دون وقوع أي حوادث. استخدم رقم البيان الموجود في آخر كل تحذير لتحديد مكان ترجمته داخل تحذيرات الأمان المترجمة التي تأتي مع الجهاز. قم بحفظ هذه الإرشادات

Upozorenje **VAŽNE SIGURNOSNE NAPOMENE**

Ovaj simbol upozorenja predstavlja opasnost. Nalazite se u situaciji koja može prouzročiti tjelesne ozljede. Prije rada s bilo kojim uređajem, morate razumjeti opasnosti vezane uz električne sklopove, te biti upoznati sa standardnim načinima izbjegavanja nesreća. U prevedenim sigurnosnim upozorenjima, priloženima uz uređaj, možete prema broju koji se nalazi uz pojedino upozorenje pronaći i njegov prijevod.

SAČUVAJTE OVE UPUTE

Upozornění **DŮLEŽITÉ BEZPEČNOSTNÍ POKYNY**

Tento upozorňující symbol označuje nebezpečí. Jste v situaci, která by mohla způsobit nebezpečí úrazu. Před prací na jakémkoliv vybavení si uvědomte nebezpečí související s elektrickými obvody a seznamte se se standardními opatřeními pro předcházení úrazům. Podle čísla na konci každého upozornění vyhledejte jeho překlad v přeložených bezpečnostních upozorněních, která jsou přiložena k zařízení.

USCHOVEJTE TYTO POKYNY

Προειδοποίηση **ΣΗΜΑΝΤΙΚΕΣ ΟΔΗΓΙΕΣ ΑΣΦΑΛΕΙΑΣ**

Αυτό το προειδοποιητικό σύμβολο σημαίνει κίνδυνο. Βρίσκεστε σε κατάσταση που μπορεί να προκαλέσει τραυματισμό. Πριν εργαστείτε σε οποιοδήποτε εξοπλισμό, να έχετε υπόψη σας τους κινδύνους που σχετίζονται με τα ηλεκτρικά κυκλώματα και να έχετε εξοικειωθεί με τις συνήθεις πρακτικές για την αποφυγή ατυχημάτων. Χρησιμοποιήστε τον αριθμό δήλωσης που παρέχεται στο τέλος κάθε προειδοποίησης, για να εντοπίσετε τη μετάφρασή της στις μεταφρασμένες προειδοποιήσεις ασφαλείας που συνοδεύουν τη συσκευή.

ΦΥΛΑΞΤΕ ΑΥΤΕΣ ΤΙΣ ΟΔΗΓΙΕΣ

אזהרה

הוראות בטיחות חשובות

סימן אזהרה זה מסמל סכנה. אתה נמצא במצב העלול לגרום לפציעה. לפני שתעבוד עם ציוד כלשהו, עליך להיות מודע לסכנות הכרוכות במעגלים חשמליים ולהכיר את הנהלים המקובלים למניעת תאונות. השתמש במספר ההוראה המסופק בסופה של כל אזהרה כדי לאתר את התרגום באזהרות הבטיחות המתורגמות שמצורפות להתקן.

שמור הוראות אלה

Opomena

ВАЖНИ БЕЗБЕДНОСНИ НАПАТСТВИЈА

Симболот за предупредување значи опасност. Се наоѓате во ситуација што може да предизвика телесни повреди. Пред да работите со опремата, бидете свесни за ризикот што постои кај електричните кола и треба да ги познавате стандардните постапки за спречување на несреќни случаи. Искористете го бројот на изјавата што се наоѓа на крајот на секое предупредување за да го најдете неговиот период во преведените безбедносни предупредувања што се испорачани со уредот.
ЧУВАЈТЕ ГИ ОБИЕ НАПАТСТВИЈА

Ostrzeżenie

WAŻNE INSTRUKCJE DOTYCZĄCE BEZPIECZEŃSTWA

Ten symbol ostrzeżenia oznacza niebezpieczeństwo. Zachodzi sytuacja, która może powodować obrażenia ciała. Przed przystąpieniem do prac przy urządzeniach należy zapoznać się z zagrożeniami związanymi z układami elektrycznymi oraz ze standardowymi środkami zapobiegania wypadkom. Na końcu każdego ostrzeżenia podano numer, na podstawie którego można odszukać tłumaczenie tego ostrzeżenia w dołączonym do urządzenia dokumencie z tłumaczeniami ostrzeżeń.

NINIEJSZE INSTRUKCJE NALEŻY ZACHOWAĆ

Upozornenie

DŮLEŽITÉ BEZPEČNOSTNÉ POKYNY

Tento varovný symbol označuje nebezpečenstvo. Nachádzate sa v situácii s nebezpečenstvom úrazu. Pred prácou na akomkoľvek vybavení si uvedomte nebezpečenstvo súvisiace s elektrickými obvodmi a oboznámte sa so štandardnými opatreniami na predchádzanie úrazom. Podľa čísla na konci každého upozornenia vyhľadajte jeho preklad v preložených bezpečnostných upozorneniach, ktoré sú priložené k zariadeniu.

USCHOVAJTE SI TENTO NÁVOD

Opozorilo

POMEMBNI VARNOSTNI NAPOTKI

Ta opozorilni simbol pomeni nevarnost. Nahajate se v situaciji, kjer lahko pride do telesnih poškodb. Preden pričnete z delom na napravi, se morate zavedati nevarnosti udara električnega toka, ter tudi poznati preventivne ukrepe za preprečevanje takšnih nevarnosti. Uporabite obrazložitev števila na koncu posameznega opozorila, da najdete opis nevarnosti v priloženem varnostnem priročniku.

SHRANITE TE NAPOTKE!

警告

重要安全性指示

此警告符號代表危險，表示可能造成人身傷害。使用任何設備前，請留心電路相關危險，並熟悉避免意外的標準作法。您可以使用每項警告後的聲明編號，查詢本裝置隨附之安全性警告譯文中的翻譯。
請妥善保留此指示

Statement 1015—Battery Handling



Warning	There is the danger of explosion if the battery is replaced incorrectly. Replace the battery only with the same or equivalent type recommended by the manufacturer. Dispose of used batteries according to the manufacturer's instructions. Statement 1015
Waarschuwing	Er is ontploffingsgevaar als de batterij verkeerd vervangen wordt. Vervang de batterij slechts met hetzelfde of een equivalent type dat door de fabrikant aanbevolen is. Gebruikte batterijen dienen overeenkomstig fabrieksvoorschriften weggeworpen te worden.
Varoitus	Räjähdyksen vaara, jos akku on vaihdettu väärään akkuun. Käytä vaihtamiseen ainoastaan saman- tai vastaavantyyppistä akkua, joka on valmistajan suosittelema. Hävitä käytetyt akut valmistajan ohjeiden mukaan.
Attention	Danger d'explosion si la pile n'est pas remplacée correctement. Ne la remplacer que par une pile de type semblable ou équivalent, recommandée par le fabricant. Jeter les piles usagées conformément aux instructions du fabricant.
Warnung	Bei Einsetzen einer falschen Batterie besteht Explosionsgefahr. Ersetzen Sie die Batterie nur durch den gleichen oder vom Hersteller empfohlenen Batterietyp. Entsorgen Sie die benutzten Batterien nach den Anweisungen des Herstellers.
Avvertenza	Pericolo di esplosione se la batteria non è installata correttamente. Sostituire solo con una di tipo uguale o equivalente, consigliata dal produttore. Eliminare le batterie usate secondo le istruzioni del produttore.
Advarsel	Det kan være fare for eksplosjon hvis batteriet skiftes på feil måte. Skift kun med samme eller tilsvarende type som er anbefalt av produsenten. Kasser brukte batterier i henhold til produsentens instruksjoner.
Aviso	Existe perigo de explosão se a bateria for substituída incorretamente. Substitua a bateria por uma bateria igual ou de um tipo equivalente recomendado pelo fabricante. Destrua as baterias usadas conforme as instruções do fabricante.

¡Advertencia! Existe peligro de explosión si la batería se reemplaza de manera incorrecta. Reemplazar la batería exclusivamente con el mismo tipo o el equivalente recomendado por el fabricante. Desechar las baterías gastadas según las instrucciones del fabricante.

Varning! Explosionsfara vid felaktigt batteribyte. Ersätt endast batteriet med samma batterityp som rekommenderas av tillverkaren eller motsvarande. Följ tillverkarens anvisningar vid kassering av använda batterier.

Figyelem Robbanásveszélyt idézhet elő, ha helytelenül cserélik ki az akkumulátort. Csak a gyártó által javasolttal megegyező vagy azzal egyenértékű típusúra cserélje ki az akkumulátort! A használt akkumulátorok kidobásakor tartsa be a gyártó előírásait!

Предупреждение При неправильной замене батареи возможен взрыв. Для замены следует использовать батарею того же или аналогичного типа, рекомендованного изготовителем. Утилизацию батареи необходимо производить в соответствии с указаниями изготовителя.

警告 電池更換不當會有爆炸危險。請只用同類電池或製造商推薦的功能相當的電池更換原有電池。請按製造商的說明處理廢舊電池。

警告 不適切なバッテリーに交換すると、爆発の危険性があります。製造元が推奨するものと同じまたは同等のバッテリーだけを使用してください。使用済みのバッテリーは、製造元が指示する方法に従って処分してください。

警告 電池替換錯誤可能會發生爆炸。僅限以製造商建議的同樣或同款電池替換，並遵照製造商的指示處理使用過的電池。

Statement 1024—Ground Conductor



Warning	This equipment must be grounded. Never defeat the ground conductor or operate the equipment in the absence of a suitably installed ground conductor. Contact the appropriate electrical inspection authority or an electrician if you are uncertain that suitable grounding is available. Statement 1024
Waarschuwing	Deze apparatuur dient geaard te zijn. De aardingsleiding mag nooit buiten werking worden gesteld en de apparatuur mag nooit bediend worden zonder dat er een op de juiste wijze geïnstalleerde aardingsleiding aanwezig is. Neem contact op met de bevoegde instantie voor elektrische inspecties of met een elektricien als u er niet zeker van bent dat er voor passende aarding gezorgd is.
Varoitus	Laitteiden on oltava maadoitettuja. Älä koskaan ohita maajohdinta tai käytä laitteita ilman oikein asennettua maajohdinta. Ota yhteyks sähkötarkastusviranomaiseen tai sähköasentajaan, jos olet epävarma maadoituksen sopivuudesta.
Attention	Cet équipement doit être mis à la masse. Ne jamais rendre inopérant le conducteur de masse ni utiliser l'équipement sans un conducteur de masse adéquatement installé. En cas de doute sur la mise à la masse appropriée disponible, s'adresser à l'organisme responsable de la sécurité électrique ou à un électricien.
Warnung	Dieses Gerät muss geerdet sein. Auf keinen Fall den Erdungsleiter unwirksam machen oder das Gerät ohne einen sachgerecht installierten Erdungsleiter verwenden. Wenn Sie sich nicht sicher sind, ob eine sachgerechte Erdung vorhanden ist, wenden Sie sich an die zuständige Inspektionsbehörde oder einen Elektriker.
Avvertenza	Questa apparecchiatura deve essere dotata di messa a terra. Non escludere mai il conduttore di protezione né usare l'apparecchiatura in assenza di un conduttore di protezione installato in modo corretto. Se non si è certi della disponibilità di un adeguato collegamento di messa a terra, richiedere un controllo elettrico presso le autorità competenti o rivolgersi a un elettricista.

Advarsel Dette utstyret må jordes. Omgå aldri jordingslederen og bruk aldri utstyret uten riktig montert jordingsleder. Ta kontakt med fagfolk innen elektrisk inspeksjon eller med en elektriker hvis du er usikker på om det finnes velegnet jordning.

Aviso Este equipamento deve ser aterrado. Nunca anule o fio terra nem opere o equipamento sem um aterramento adequadamente instalado. Em caso de dúvida com relação ao sistema de aterramento disponível, entre em contato com os serviços locais de inspeção elétrica ou um eletricista qualificado.

¡Advertencia! Este equipo debe estar conectado a tierra. No inhabilite el conductor de tierra ni haga funcionar el equipo si no hay un conductor de tierra instalado correctamente. Póngase en contacto con la autoridad correspondiente de inspección eléctrica o con un electricista si no está seguro de que haya una conexión a tierra adecuada.

Varning! Denna utrustning måste jordas. Koppla aldrig från jordledningen och använd aldrig utrustningen utan en på lämpligt sätt installerad jordledning. Om det föreligger osäkerhet huruvida lämplig jordning finns skall elektrisk besiktningsauktoritet eller elektriker kontaktas.

Figyelem A berendezés csak megfelelő védőföldeléssel működtethető. Ne iktassa ki a földelés csatlakozóját, és ne üzemeltesse a berendezést szabályosan felszerelt földelő vezeték nélkül! Ha nem biztos benne, hogy megfelelő földelés áll rendelkezésre, forduljon a helyi elektromos hatóságokhoz vagy egy villanyszerelőhöz.

Предупреждение Данное устройство должно быть заземлено. Никогда не отключайте провод заземления и не пользуйтесь оборудованием при отсутствии правильно подключенного провода заземления. За сведениями об имеющихся возможностях заземления обратитесь к соответствующим контролирующим организациям по энергоснабжению или к инженеру-электрику.

警告 此设备必须接地。切勿使接地导体失效，或者在没有正确安装接地导体的情况下操作该设备。如果您不能肯定接地导体是否正常发挥作用，请咨询有关电路检测方面的权威人士或电工。

警告 この装置はアース接続する必要があります。アース導体を破損しないよう注意し、アース導体を正しく取り付けないまま装置を稼働させないでください。アース接続が適正であるかどうか分からない場合には、電気検査機関または電気技術者に相談してください。

주의 이 장비는 접지되어야 합니다. 접지 도체를 결코 파기하거나 적절히 설치된 접지 도체 없이 장비를 작동하지 마십시오. 사용 가능한 적절한 접지가 확실치 않은 경우 해당 전기 검사 관청 또는 전기 기술자에게 문의하십시오.

Aviso Este equipamento deve ser aterrado. Nunca anule o fio terra nem opere o equipamento sem um fio terra adequadamente instalado. Fale com uma autoridade de fiscalização de instalações elétricas apropriada ou com um eletricista se você não tiver certeza quanto à eficiência do aterramento.

Upozornění Toto zařízení musí být uzemněno. Nikdy nepřerušujte zemnicí vodič ani nepoužívejte zařízení bez odpovídajícího zemnicího vodiče. Nejste-li si jisti, zda je zařízení vhodně uzemněno, obraťte se na revizního technika či elektrikáře.

Προειδοποίηση Ο παρών εξοπλισμός πρέπει να είναι γειωμένος. Μην καταστρέψετε ποτέ τον αγωγό γείωσης και μη χρησιμοποιήσετε ποτέ τον εξοπλισμό χωρίς να υπάρχει κατάλληλα εγκατεστημένος αγωγός γείωσης. Εάν δεν είστε βέβαιοι ότι υπάρχει κατάλληλη γείωση, επικοινωνήστε με τις αρμόδιες αρχές ή συμβουλευθείτε έναν ηλεκτρολόγο.

אזהרה ציוד זה חייב להיות מוארק. לעולם אין לנתק את מוליך ההארקה או להפעיל את הציוד בהעדר מוליך הארקה מותקן כראוי. אם אינך בטוח שקיימת הארקה הולמת, פנה לרשות המפקחת על החשמל או לחשמלאי.

Ostrzeżenie Sprzęt ten musi być uziemiony. Nigdy nie należy usuwać przewodu uziemiającego lub używać sprzętu bez prawidłowo zainstalowanego przewodu uziemiającego. W przypadku braku pewności czy zapewnione jest prawidłowe uziemienie, należy skontaktować się z odpowiednim urzędem inspekcji elektrycznych lub elektrykiem.

Upozornenie	Toto zariadenie musí byť uzemnené. Uzemňovací vodič nikdy neodpájajte a zariadenie nikdy neprevádzkujte bez správne pripojeného uzemňovacieho vodiča. Ak máte pochybnosti o dostupnosti vhodného uzemnenia, obráťte sa na príslušný úrad na kontrolu elektrických zariadení alebo na elektrikára.
Opozorilo	Ta naprava mora biti ozemljena. Nikoli ne odklapljajte ozemljitve oz. upravljajte naprave, ki ni primerno ozemljena. V primeru, da niste sigurni, ali imate primerno ozemljitev, nemudoma pokličite pooblaščen električni servis ali električarja.
警告	本設備必須接地。切勿使接地連接器失效，或缺乏適當安裝的接地連接器就貿然操作裝置。若您不確定是否有適當的接地安排，請聯絡合適的專業電氣檢查機構或電氣專家。

Statement 1040—Product Disposal



Warning	Ultimate disposal of this product should be handled according to all national laws and regulations. Statement 1040
Waarschuwing	Het uiteindelijke wegruimen van dit product dient te geschieden in overeenstemming met alle nationale wetten en reglementen.
Varoitus	Tämä tuote on hävitettävä kansallisten lakien ja määräysten mukaisesti.
Attention	La mise au rebut ou le recyclage de ce produit sont généralement soumis à des lois et/ou directives de respect de l'environnement. Renseignez-vous auprès de l'organisme compétent.
Warnung	Die Entsorgung dieses Produkts sollte gemäß allen Bestimmungen und Gesetzen des Landes erfolgen.

Avvertenza	Lo smaltimento di questo prodotto deve essere eseguito secondo le leggi e regolazioni locali.
Advarsel	Endelig kassering av dette produktet skal være i henhold til alle relevante nasjonale lover og bestemmelser.
Aviso	Deitar fora este produto em conformidade com todas as leis e regulamentos nacionais.
¡Advertencia!	Al deshacerse por completo de este producto debe seguir todas las leyes y reglamentos nacionales.
Varning!	Vid deponering hanteras produkten enligt gällande lagar och bestämmelser.
Figyelem	A készülék végső elhelyezéséről az adott országban érvényes törvények és előírások szerint kell intézkedni.
Предупреждение	Окончательная установка данного изделия должна выполняться в соответствии со всеми региональными и местными правилами и нормами.
警告	本产品的废弃处理应根据所有国家的法律和规章进行。
警告	この製品を廃棄処分する際は、各国の法律および規制に従って取り扱ってください。
주의	해당 국가의 관련 법규 및 규정에 따라 이 장치를 폐기해야 합니다.
تحذير	عند التخلص من المنتج يجب اتباع القوانين والتشريعات المحلية.
Upozorenje	Zbrinjavanje ovoga proizvoda u otpad treba provesti u skladu s važećim zakonima i odredbama.
Upozornění	Upozornění: Likvidace tohoto výrobku musí být provedena podle platných zákonů a předpisů.

Προειδοποίηση	Η τελική απόρριψη αυτού του προϊόντος πρέπει να γίνεται σύμφωνα με όλους τους εθνικούς νόμους και κανονισμούς.
אזהרה	סילוק סופי של מוצר זה חייב להיות בהתאם להנחיות ולחוקי המדינה.
Opomena	Крајното фрлање на овој производ треба да се изврши во согласност со сите национални закони и прописи.
Ostrzeżenie	Ostateczna likwidacja tego urządzenia po jego wycofaniu z eksploatacji powinna odbywać się zgodnie z przepisami krajowymi.
Upozornenie	Upozornenie Likvidácia tohto výrobku musí byť vykonaná podľa platných zákonov a predpisov.
Opozorilo	Uničenje izdelka, ki ni več uporaben, mora potekati po državnih zakonih in predpisih.
警告	本產品的最終處理必須遵照國家/地區的所有法律與法規。

Statement 371—Power Cable and AC Adapter - Japan

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